

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
1146-4 DIV

SERIAL NO.
09/447,227

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Shults et al.

CONFIRMATION NO.

(Use several sheets if necessary)

FILING DATE
November 22, 1999

GROUP
1744

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
N	4,353,888	10/12/82	Selfton			
	4,431,004	02/14/84	Bessman et al.			
	4,436,094	03/13/84	Cerami			
	4,484,987	11/27/84	Gough			
	4,686,044	08/11/87	Behnke et al.			
	4,703,756	11/03/87	Gough et al.			
	4,757,022	07/12/88	Shults et al.			
	4,787,398	11/29/88	Garcia et al.			
	4,803,243	02/07/89	Fujimoto et al.			
	4,823,808	04/25/89	Clegg et al.			
	4,902,294	02/20/90	Gosserez			
	4,994,167	02/19/91	Shults et al.			
	5,190,041	03/02/93	Palti			
	5,314,471	05/24/94	Brauker et al.			
	5,321,414	06/14/94	Alden et al.			
	5,344,454	09/06/94	Clarke et al.			
	5,380,536	01/10/95	Hubbell et al.			
	5,417,395	05/23/95	Fowler et al.			

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m		5,421,923	06/06/95	Clarke et al.			
		5,431,160	07/11/95	Wilkins			
		5,453,278	09/26/95	Cham et al.			
		5,462,064	10/31/95	D'Aneglo et al.			
		5,469,846	11/28/95	Khàn			
		5,476,094	12/19/95	Allen et al.			
		5,497,772	03/12/96	Schulman et al.			
		5,545,223	08/13/96	Neuenfeldt et al.			
		5,549,675	08/23/96	Neuenfeldt et al.			
		5,569,462	10/29/96	Martinson et al.			
		5,578,463	11/26/96	Berka et al.			
		5,593,440	01/14/97	Brauker et al.			
		5,653,756	08/05/97	Clarke et al.			09/02/94
		5,660,163	08/26/97	Schulman et al.			05/18/95
		5,713,888	02/03/98	Neuenfeldt et al.			06/05/95
		5,733,336	03/31/98	Neuenfeldt et al.			03/30/95
		5,741,330	04/21/98	Brauker et al.			06/07/95
		5,782,912	07/21/98	Brauker et al.			03/17/94
		5,800,529	09/01/98	Brauker et al.			06/07/95
	m	5,807,406	09/15/98	Brauker et al.			06/07/95

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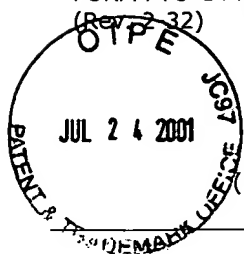
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5,882,354	03/16/99	Brauker et al.	10/07/94
5,964,261	10/12/99	Neuefeldt et al.	06/07/95
6,122,536	09/19/00	Sun et al.	
6,208,894	03/27/01	Schulman et al.	
6,212,416	04/03/01	Ward et al.	
6,256,522B1	07/03/01	Schultz	08/17/95
6,259,937	07/10/01	Schulman et al.	

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	WO 90/00738	01/25/90	PCT				
	WO 92/07525	05/14/92	PCT				
	WO 92/13271	08/06/92	PCT				
	WO 94/22357	10/13/94	PCT				
	WO 96/01611	01/25/96	PCT				
	WO 96/32076	10/17/96	PCT				
	WO 96/36296	11/21/96	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

u		Udike et al., "Laboratory Evaluation of New Reusable Blood Glucose Sensor," <i>Diabetes Care</i> , 11:801-807 (1988).
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Woodward, "How Fibroblasts and Giant Cells Encapsulate Implants: Considerations in Design of Glucose Sensor," *Diabetes Care* 5:278-281 (1982).

Bindra et al., "Design and In Vitro Studies of a Needle-Type Glucose Sensor for Subcutaneous Monitoring," *Anal. Chem.* 63:1692-96 (1991).

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Stokes, "Polyether Polyurethanes: Biostable or Not?," *J. Biomat. Appl.* 3:228-259 (1988).

Urdike et al. Enzymatic Glucose Sensors: Improved Long-Term Performance In Vitro and In Vivo, *Am.Soc. Artificial Internal Organs* 40:157-163 (1994).

Urdike et al., Implanting the Glucose Enzyme Electrode: Problems, Progress, and Alternative Solutions," *Diabetes Care* 5:207-21 (1982).

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Shults et al.

CONFIRMATION NO.

FILING DATE
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7		Tse and Gough, Time-Dependent Inactivation of Immobilized Glucose Oxidase and Catalase, <i>Biotechnol. Bioeng.</i> 29:705-713 (1987).
		Gilligan et al., "Evaluation of a Subcutaneous Glucose Sensor Out to 3 Months in a Dog Model," <i>Diabetes Care</i> 17:882-887 (1994).
		McKean and Gough, "A Telemetry-Instrumentation System for Chronically Implanted Glucose and Oxygen Sensors," <i>IEEE Trans. Biomed. Eng.</i> 35:526-532 (1988).
		Shichiri et al., "Telemetry Glucose Monitoring Device with Needle-Type Glucose Sensor-A Useful Tool for Blood Glucose Monitoring in Diabetic Individuals," <i>Diabetes Care</i> 9:298-301 (1986).
		Lyman, "Polyurethanes. I. The Solution Polymerization of Diisocyanates with Ethylene Glycol," <i>J. Polymer Sci.</i> 45:49 (1960).
		DuPont ¹ Dimension AR® (Catalog).
		Direct 30/30® meter (Markwell Medical) (Catalog).
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		Brauker et al., "Neovascularization of Synthetic Membranes Directed by Membrane Microarchitecture," <i>Journal of Biomedical Materials Research</i> 29:1517 (1995).
m		Abstract presented by James Brauker, Ph.D., "Neovascularization of Cell Transplantation Devices: Membrane Architecture-Driven and Implanted Tissue-Driven Vascularization," Baxter Healthcare Corp.

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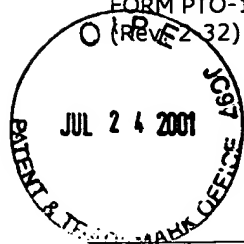
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	APPLICANT Shults et al.	CONFIRMATION NO.
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			Brauker et al., "Local Inflammatory Response Around Diffusion Chambers
			Containing Xenografts", Transplantation, Vol. 61, 1671-1677, No. 12, June 27, 1996.

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